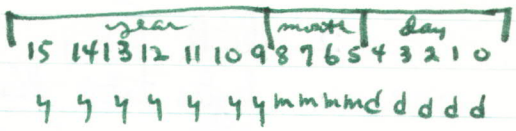
DOS Changes & Fixes

4/2 done 1. Move 'date' to known location ← 50:2
50:3

format 50:2 7 6 5 4 3 2 1 0
m m m d d d d d
50:3 y y y y y y y m

or as a register



Requires mods to 86DOS to address date correctly & will take out 86DOS request for date & move to COMMAND

4/2 done 2. Modify COMMAND to search for AUTOEXEC.BAT & if found do a submit on this file. If AUTOEXEC.BAT not found print banner and request date

4/2 fixed 3. Fix DEBUG to do disassembly correctly. Strange problem. This works currently on the CMC machine.

4/2 complete 4. Modify DEBUG to frame its output so that it's readable on both 40X25 & 80X25 screens

4/2 done 5. Modify FORMAT to allocate detected bad tracks to file BADTRK.

4/2 done 6. Fix problem with ZIBO RUN SPACE where a random read request (Function 39) bombs.

4/2 7. Check out RS-232 support in the BIOS

4/2 done 8. Check out SUBMIT command

4/2 done 9. Check out EDLIN edit of file larger than available memory. depends on # 21

4/2 fixed 10. Find out why F9 function key does not work correctly in the DOS

4/2 11. Indication from CHKDSK of available directory entries.

DOS changes & Fixes

4/20 12. Single drive support, i.e. fix copy to prompt if same diskette

4/20 13. Modify "Format" to do a prompt to allow user to replace disk if formatting a single drive system

4/2 14. Move origin of BIOS to 60:0 and origin of 86 DOS to C0:0. 86 DOS moved to 100:0 due to #21.

4/2 15. Change BOOT program to load the BIOS & DOS into the correct segments and further to locate and identify "if" these routines are on the disk. This is part of the changes necessary to effect data diskettes. BOOT should place an error message indicating no system available if a data diskette. Note: even data diskettes must have the boot routine in sector 1.

4/2 16. ~~Change~~ SYS program to transfer the correct number of sectors and correct locations and print "transferred" correctly. OK

4/20 17. Full diskette copy routine must be provided see p7. of Dec 8, 1980 letter - agreed to by Gates

4/2 18. Make sure DEBUG works with programs using INT instruction

4/2 19. Modify the BIOS to do an equipment call to determine number of drives on the system, and modify INITAB accordingly. problem - equipment call doesn't seem to support

4/2 20. Get final story on ~~post~~ write protection logic for disks & support if available — yes — do.

4/2 ~~21. Fix EDLIN to put in date correctly~~

4/20 21. Modify BIOS to check for DMA transfer over 64K boundary & work around this by reading sector that crosses the boundary into internal buffer then transfer it to the requested area.

4/2

22. Change editor to use "esc" key for the current ctrl-X key.

23. Change BIOS to catch all keyboard input requests do the request and look for ctrl-PRTSC. When detected do the "ctrl-P" set. Once detected subsequently turn off Ctrl-P, i.e. make it a toggle.

24. Make "esc" do same as ctrl-X

25. Make del key a skip character

26. Make INS enter insert mode & subsequent depress. on will exit insert mode

27. Make F6 generate a ctrl-Z

28. Change DOS to do the 12H fcn call to do memory size determination rather than write/read technique.

29. EDLIN couldn't edit an extremely large file that didn't have CRLF's

30 DEBUG doesn't set up the disk transfer address (DTA) when given the "G" command

31. Change messages & responses to accept "any key" for changes.

3/20/81

50:0
51:0 datseg
52:0
60:0

3/27/81 Directory Format

Bytes	1-11	file name
Bytes	12-24	Reserved for future usage
Bytes	25-26	Date
Bytes	27-28	Start Cluster for this file
Bytes	29-32	Size of file in bytes

↑ 33

Byte 12
Val= 22 ~~Bytes~~
44
Bit 2 — System
1 — Hidden

3/30/81 Hollerman, Gates, Courtney, O'Rear

1. Equipment Bits — to be resolved
2. High Res/color — color illegal
3. List <H> - <L2>, dev
4. Cntrl-C during cassette?
5. 38&3> Color card graphics bugs

4-13-81
EDLIN

237: XOR INSFLG,1 ; Toggle INSFLG

237,237 RINSFLG↑Z[INSFLG]<CR> ended up INSFLG nested 20 deep in brackets

4/30/81 String replacement when string has carriage return as part. In old DOS we use cntrl-L to indicate end of string when CR is part of string. Do I translate cntrl-HOME to cntrl-L ? or use some other mechanism?

5/28/81 Fortran of tests necessary? Proof of purchase

6/3/81 Out of Paper loops indefinitely in DOS

also Printer fault loops

Y/N — prompt for loop in FORMAT

[ ]

15 June Outstanding Problems

Level III BASIC

3013
3016
3018

Level II

2039 fixed

2032
~~2038~~

level I

4
5
7
10

14 July Need to modify CHKDSK, FORMAT & SYS to protect against FORMAT B where the user forgets the colon and the program takes action against the default drive

15 July BASIC Compiler
PASCAL
FORTRAN
COBOL
ASSEMBLER
linker

Return code groups Shipped 15 July
Preliminary 15 July — 20 July running version (4 Aug final)

to be able to run tests

Aug 15 —
with subsequent delivery w COBOL

Assembler — 30 days to get within 64K limitation
— version to be sent out today that is functionally complete

15 July

Assembler Manual
Pascal
Pascal Appendix A, B, C
Preliminary COBOL compiler code